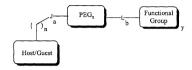
The claimed invention is:

A compound of the formula:



wherein

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J is -NH-, -C(=O)NH-(CH₂)_d-, -NH-C(=O)-(CH₂)_d-, -CH₂SS-, -C(=O)O-(CH₃)_e-O-P(=O)(O-(CH₃)_e-Y)O-,

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a peptide or polypeptide residue, or

Y is an additional host/guest functionality:

15 R¹ is -(CH₂)₂-CO₂H, an ester or salt thereof; or -(CH₂)₂-CONH₂;

PEG is -O(CH₂CH₂O)₂-, where z varies from 2 to 500;

L is H, -NH₂, -NH-(C=O)-(CH₂)_e-(C=O)-CH₂-, -S(=O)₂-HC=CH₂-, -SS-, -

C(=O)O-or a carbohydrate residue;

a is 0 or 1;

20 b is 0 or 1;

- d ranges from 0 to 6;
- e ranges from 1 to 6;
- n ranges from 0 to 6;
 - y is 0 or 1; and
- 5 x is 0 or 1.
 - 2. A compound of claim 1, wherien the host/guest is selected from the group of adamantyl, naphthyl, cholesterol, cyclodextrin, and mixtures thereof.
- 10 3. A compound of the formula:

wherein

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a peptide or polypeptide residue, or -NH-(C=O)-CH(R¹)-NH-(C=O)-CH(R¹)-NH-;

20 Y is an additional host/guest functionality;

- R1 is -(CH₂),-CO₂H, an ester or salt thereof; or -(CH₂),-CONH₃;
- PEG is -O(CH₂CH₂O)₂-, where z varies from 2 to 500;
- $\label{eq:Lagrangian} L \qquad \text{is H, -NH}_2, -\text{NH-(C=O)-(CH}_2)_\epsilon (C=O)-\text{CH}_2-, -S(=O)_2-\text{HC=CH}_2-, -SS-, -C(=O)O- \ \text{or a carbohydrate residue;}$
- 5 a is 0 or 1;

n

- b is 0 or 1;
- d ranges from 0 to 6;
- e ranges from 1 to 6;
 - ranges from 0 to 6;
- 10 q ranges from 1 to 5;
 - w ranges from 1 to 5:
 - y is 0 or 1;
 - x is 0 or 1; and
 - z ranges from 1 to 5.

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- 4. A compound of claim 3, wherien the host/guest is selected from the group of adamantyl, naphthyl, cholesterol, cyclodextrin, and mixtures thereof.
- 5. A composition comprising a particulate composite of a cyclodextrin 20 containing polymer and a therapeutic agent and an inclusion complex of said cyclodextrin polymer and a complexing agent comprising an inclusion guest is a compund of claim 1.
 - 6. A composition of claim 5, wherein said therapeutic agent is selected from the group consisting of an antibiotic, a steroid, a polynucleotide, small molecule pharmaceutical, a viruse, a plasmid, a peptide, a peptide fragment, a chelating agent, a biologically active macromolecule, and mixtures thereof.
- A composition of claim 6, wherein said therapeutic agent is a
 polynucleotide.

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- 8. A composition comprising a particulate composite of a cyclodextrin containing polymer and a therapeutic agent and an inclusion complex of said cyclodextrin polymer and a complexing agent comprising an inclusion guest is a compund of claim 3.
- 9. A composition of claim 8, wherein said therapeutic agent is selected from the group consisting of an antibiotic, a steroid, a polynucleotide, small molecule pharmaceutical, a viruse, a plasmid, a peptide, a peptide fragment, a chelating agent, a biologically active macromolecule, and mixtures thereof.
- 10. A composition of claim 9, wherein said therapeutic agent is a polynucleotide.

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